Revision History

All changes subsequent to the initial release of this manual are listed below. Please update the manual with the pages listed under the Revision Pages column.

Date	Revision Pages	Patch Number	Description
02/02	iia-iib; v-(vi); 9-20; (25)-26b.	PSA*3*21	Add Revision History pages iia and iib; Update Table of Contents; Revise sections to add new routines related to setting up/editing a pharmacy location, selecting from multiple divisions, editing verified invoice data, and updating the Drug File, Revise sections to add a new File, DA Upload (#58.812), Revise sections to add new options to delete unprocessed invoices and edit verified invoices; Update Software Product Security section to reflect new file and to add information on mail groups. Unchanged pages included for two-sided copying as needed.
10/97			Original Released Technical Manual.

<<Page intentionally left blank>>

Table of Contents

Routine List

This section contains an alphabetized routine list and a description of each routine for Drug Accountability/Inventory Interface Version 3.0.

Routine List and Routine Descriptions

Routine Names	Routine Descriptions
PSACON	Display Connected Drug and Procurement History
PSACON1	Display Connected Drug and Procurement History - CONT'D
PSACON2;	Display Connected Drug and Procurement History - CONT'D
PSACONW	Display Connected Drug and Procurement History - CONT'D
PSACOST	Invoice Cost Summary
PSACREDO	Outstanding Credits
PSACREDR	Credit Resolution
PSADA	Pharmacy Location Lookup Utility
PSADAI	Drug Balances by Location
PSADJ	Balance Adjustments
PSADJI	Balance Initialization
PSADJR	Balance Adjustments History
PSADRU	Drugs Not Found in Linked Inventory
PSADRUG	Add/edit Pharmacy Location drugs
PSADRUGP	Enter/Edit a Drug
PSAENT	Set Up/Edit a Pharmacy Location
PSAENTO	Set Up/Edit a Pharmacy Location - CONT'D
PSAENVIR	Environment Check
PSAGIP	DA receiving from GIP
PSAGIP1	DA receiving from GIP - CONT'D
PSAHIS	Drug Transaction History
PSAHIS1	Drug Transaction History - CONT'D
PSALEVEL	Enter/Edit Stock and Reorder Levels
PSALEVRP	Stock and Reorder Report
PSALFA	Automated DRUG/ITEM MASTER file Link by FSN
PSALFM	Controlled Connection by FSN Match
PSALFS	Report Potential FSN Matches
PSALNA	Automated DRUG/ITEM MASTER file Link by NDC
PSALND	Report Potential NDC Matches
PSALNM	NDC Duplicates Report (ITEM MASTER file)
PSALOC	Set Up/Edit a Pharmacy Location
PSALOC1	Set Up/Edit a Pharmacy Location
PSALOC2	Set Up/Edit a Pharmacy Location
PSALOCO	Set Up/Edit a Pharmacy Location
PSALOG	Unposted Procurement History
PSALOG0	Unposted Procurement History - CONT'D

Routine Names	Routine Descriptions
PSALOG1	Unposted Procurement History - CONT'D
PSALOG1H	Unposted Procurement History - CONT'D
PSALOG2	Post Drug Procurement History
PSALOG3	Post Drug Procurement History - CONT'D
PSALOGON	Logon Utility
PSAMON	Monthly Summary
PSAMON1	Monthly Summary - CONT'D
PSANAC	Populate Pharmacy Location with Inventory Items
PSANDC	NDC Duplicates Report
PSANDF	Process Uploaded Prime Vendor Invoice Data - CONT'D
PSANDF1	Process Uploaded Prime Vendor Invoice Data - CONT'D
PSAOP	Outpatient Dispensing (Single Drug)
PSAOP1	Outpatient Dispensing (Single Drug) & (All Drugs)
PSAOP2	Outpatient Dispensing (All Drugs)
PSAOP3	Nightly Background Job
PSAOP4	Outpatient Dispensing (Single Drug) & (All Drugs) - CONT'D
PSAORDP	Print Orders
PSAORDP1	Print Orders - CONT'D
PSAORDP2	Print Orders - CONT'D
PSAPOST	Post Init
PSAPROC	Process Uploaded Prime Vendor Invoice Data
PSAPROC1	Process Uploaded Prime Vendor Invoice Data - CONT'D
PSAPROC2	Process Uploaded Prime Vendor Invoice Data - CONT'D
PSAPROC3	Process Uploaded Prime Vendor Invoice Data - CONT'D
PSAPROC4	Process Uploaded Prime Vendor Invoice Data - CONT'D
PSAPROC5	Process Uploaded Prime Vendor Invoice Data - CONT'D
PSAPROC6	Process Uploaded Prime Vendor Invoice Data - CONT'D
PSAPROC7	Process Uploaded Prime Vendor Invoice Data - CONT'D
PSAPROC8	Process Uploaded Prime Vendor Invoice Data - CONT'D
PSAPROC9	Process Uploaded Prime Vendor Invoice Data - CONT'D
PSAPSI	IV Dispensing (Single Drug)
PSAPSI1	IV Dispensing (Single Drug) & (All Drugs)
PSAPSI2	IV Dispensing (All Drugs)
PSAPSI3	Nightly Background Job
PSAPSI4	IV Dispensing (Single Drug) & (All Drugs)
PSAPSI5	Nightly Background Job - CONT'D
PSAPUR	Nightly Background Job - CONT'D
PSAPV	Processor and Verifier
PSAREC	Receiving Directly into Drug Accountability
PSAREC1	Receiving Directly into Drug Accountability - CONT'D
PSAREORD	Nightly Background Job - CONT'D
PSAREPV	Invoice Review
PSAREV	Purchase Order Review

Routine Names	Routine Descriptions
PSAREVC	Control Point Transaction Review
PSAREVD	Drug Receipt History Review
PSARIN	Loadable Inventory Items Report
PSARWS	Collect Ward Stock Data
PSASIG	Transfer Signature Sheet
PSATI	Single Drug Match
PSATRAN	Transfer Drugs between Pharmacies
PSATRAN1	Transfer Drugs between Pharmacies - CONT'D
PSAUDP	Nightly Background Job - CONT'D
PSAUNI	Unlinked Drugs in the ITEM MASTER file
PSAUNL	Connect Unlinked DRUG/ITEM MASTER file Entries
PSAUNM	Report of Unlinked DRUG/ITEM MASTER file Entries
PSAUP	Upload and Process Prime Vendor Invoice Data
PSAUP1	Upload and Process Prime Vendor Invoice Data - CONT'D
PSAUP2	Upload and Process Prime Vendor Invoice Data - CONT'D
PSAUP3	Upload and Process Prime Vendor Invoice Data - CONT'D
PSAUP4	Upload and Process Prime Vendor Invoice Data - CONT'D
PSAUP5	Upload and Process Prime Vendor Invoice Data - CONT'D
PSAUP6	Upload and Process Prime Vendor Invoice Data - CONT'D
PSAUTL	GIP Utility
PSAUTL1	Prime Vendor Invoice Data Utility
PSAUTL2	Upload and Process Prime Vendor Invoice Data Utility
PSAUTL3	Upload and Process Prime Vendor Invoice Data Utility – CONT'D
PSAUTL4	Verify Invoices Utility
PSAVER	Verify Invoices
PSAVER1	Verify Invoices - CONT'D
PSAVER2	Verify Invoices - CONT'D
PSAVER3	Verify Invoices - CONT'D
PSAVER4	Verify Invoices - CONT'D
PSAVER5	Verify Invoices - CONT'D
PSAVER6	Verify Invoices - CONT'D
PSAVER7	Verify Invoices - CONT'D
PSAVER8	Multiple Division Selection
PSAVERA	Change verified invoice data
PSAVERA1	Edit previously verified invoices
PSAVERA2	Edit previously verified invoices #2
PSAVERA3	Record Transaction & Update DRUG file
PSAVIN	Report of Inventory items' link to DRUG file
PSAVIN1	Physical Inventory Balance Review
PSAVIN2	Compares Prices (DA/GIP)
PSAVINC	Update Prices
PSAWARD	Set Up/Edit a Pharmacy Location

<<Page intentionally left blank>>

File List

This package requires 24 files in addition to those of the Kernel and other files to which it points. Information about all files, including these can be obtained by using the VA FileMan to generate a list of file attributes.

GIP Interface Files

File Numbers	File Names
42	WARD LOCATION
50	DRUG
50.6	NATIONAL DRUG
50.8	IV STATS
51.5	ORDER UNIT
52	PRESCRIPTION
52.6	IV ADDITIVES
52.7	IV SOLUTIONS
58.1	PHARMACY AOU STOCK
58.5	AR/WS STATS FILE
58.8	DRUG ACCOUNTABILITY STATS FILE
58.81	DRUG ACCOUNTABILITY TRANSACTION FILE
58.812	DA UPLOAD
58.84	DRUG ACCOUNTABILITY TRANSACTION TYPE FILE
59	OUTPATIENT SITE
59.4	INPATIENT SITE
59.7	PHARMACY SYSTEM
410	CONTROL POINT ACTIVITY
441	ITEM MASTER
442	PROCUREMENT & ACCOUNTING TRANSACTIONS
445	GENERIC INVENTORY
445.2	INVENTORY TRANSACTION

Prime Vendor Interface

File Numbers	File Names
42	WARD LOCATION
50	DRUG
50.6	NATIONAL DRUG
50.8	IV STATS
51.5	ORDER UNIT
52	PRESCRIPTION
52.6	IV ADDITIVES
52.7	IV SOLUTIONS
58.1	PHARMACY AOU STOCK
58.5	AR/WS STATS FILE
58.8	DRUG ACCOUNTABILITY STATS FILE
58.81	DRUG ACCOUNTABILITY TRANACTION FILE
58.812	DA UPLOAD
58.84	DRUG ACCOUNTABILITY TRANSACTION TYPE FILE
58.811	DRUG ACCOUNTABILITY ORDER FILE
59	OUTPATIENT SITE
59.4	INPATIENT SITE
59.7	PHARMACY SYSTEM
8980	KERMIT HOLDING

File Descriptions

58.8   DRUG ACCOUNTABILITY STATS FILE

This file contains data associated with the Pharmacy Drug Accountability Stats location. Entries in this file may be edited but not deleted. Entries in this file should NOT be edited directly using VA FileMan.

This file is designed to be shared between the Drug Accountability/Inventory Interface module and the Controlled Substances module of the Pharmacy software. The Controlled Substances module will recognize a location as a Narcotic Area of Use (NAOU). The menu option *Inactivate NAOU* [PSD INACTIVATE NAOU] is used to inactivate NAOUs no longer in use. The menu option *Inactivate NAOU Stock Drugs* [PSD INACTIVE NAOU STOCK DRUG] is used to inactivate drugs no longer stocked within that NAOU.

INPUT TEMPLATE(S):	PRINT TEMPLATE(S):
PSAENT	PSAINV
PSAGIP	

58.81   DRUG ACCOUNTABILITY TRANSACTION FILE

This file contains the data associated with drug accountability transactions. This file is designed to be shared between the Drug Accountability/Inventory Interface module and the Controlled Substances module. Entries in this file should NOT be edited directly for Controlled Substances use. The CS module contains all appropriate checks for this file's use.

58.812 DA UPLOAD

This file contains Supply Items and Order Units used in matching uploaded Prime Vendor invoice data.
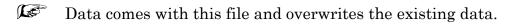
The user inputs the name of a supply item and the item's corresponding Vendor Stock Number (VSN). When an item is uploaded from the vendor, the Drug Accountability software attempts to identify the item by the NDC. If a match cannot be found, the entries in this file will be checked. By storing the supply items, the user does not have to identify the item on the invoice as a supply item each time it is uploaded.

The Prime Vendor ships drugs in a variety of order unit sizes. In some instances, the order unit on an invoiced item does not match the order unit in the facility's files. When this occurs the user has to perform a manual match on the item.

By entering the order unit sent by the Prime Vendor to the order unit in VISTA, the matching can be performed automatically during the upload process.

58.84   DRUG ACCOUNTABILITY TRANSACTION TYPE FILE

This file contains the standard types of transactions utilized in pharmacy Drug Accountability/Inventory Interface. This file is shared between the Drug Accountability/Inventory Interface module and the Controlled Substances module. This is a standard file exported by both the Controlled Substances and Drug Accountability/Inventory Interface modules and additional entries should not be added. Existing data will be merged.

☞   Data comes with this file and overwrites the existing data.

58.811   DRUG ACCOUNTABILITY ORDER FILE

The DRUG ACCOUNTABILITY ORDER file contains prime vendor pharmacy orders with all adjustments. The prime vendor invoice data is uploaded from the prime vendor. All data is processed and verified before it increments the drug balances in Drug Accountability/Inventory Interface pharmacy locations.

None   XTMP("PSAPV")

This temporary file holds the uploaded invoice data that has not been processed. When the data is processed, it is moved to the DRUG ACCOUNTABILITY ORDER file (#58.811). If data in this file is not processed or more data is not added to this file for 16 days, a mail message is sent to holders of the PSA ORDERS key. The message states that if the invoices are not processed in four calendar days or if more invoices are not uploaded in four calendar days, the invoices in the file will be deleted. If the data remains unprocessed and data is not added to the file for five more days, all data in the file is deleted. (See Appendix A for the field layout.)

Exported Options

Menus

This package exports the menus. The main menu is *Drug Accountability Menu* [PSA DRUG ACCOUNTABILITY MENU].

GIP Interface

If the site will only interface with the Generic Inventory Package (GIP), the *GIP Interface Menu* [PSA GIP INTERFACE MENU] must be distributed to Chief of Pharmacy or a designee. It contains the following menus.

GIP Interface Menu

    1   Connection Menu (DRUG file / ITEM MASTER file) ...
    2   Pharmacy Location Maintenance Menu ...
    3   Receipts Menu ...
    4   Dispensing Menu ...
    5   Maintenance Reports Menu ...

Prime Vendor Interface

If the site will interface with the prime vendor invoice data, the *GIP Interface Menu* [PSA GIP INTERFACE MENU] and *Prime Vendor Interface menu* [PSA PRIME VENDOR INTERFACE] must be distributed. Most drugs will be purchased from the prime vendor. For the drugs that cannot be purchased from the prime vendor, it is necessary to interface with the Generic Inventory Package to receive them into pharmacy location and/or master vault. Therefore, the main menu of *Drug Accountability Menu* [PSA DRUG ACCOUNTABILITY MENU] must be distributed to Chief of Pharmacy, or a designee, plus the purchasing agent in Pharmacy.

Drug Accountability Menu

    1   GIP Interface Menu ...
    2   Prime Vendor Interface ...

Options

This package exports the following options.

OPTION	MENU TEXT
PSA ACTIVE DRUGS/ITEM FILE	Active, Unlinked Drugs in the ITEM MASTER file
PSA BALANCE ADJUSTMENTS	Balance Adjustments Locked by the PSAMGR key.
PSA BALANCE ADJUSTMENTS REPORT	Balance Adjustments History Report
PSA BALANCE INITIALIZE	Balance Initialization
PSA COMPARISON REPORT	DRUG file/ITEM MASTER file Comparison Report
PSA CONNECTION MENU	Connection Menu (DRUG file/ITEM MASTER file)
PSA CP TRANSACTION REVIEW	Control Point Transaction Review
PSA CREDIT RESOLUTION	Credit Resolution Locked by the PSAMGR key.
PSA DELETE INVOICES	Delete Un-processed Invoices
PSA DISPENSING MENU	Dispensing Menu
PSA DISPLAY CONNECTED DRUG	Display Connected Drug and Procurement History
PSA DISPLAY LOCATION	Drug Balances by Location
PSA DRUG ACCOUNTABILITY MENU	Drug Accountability Menu
PSA DRUG DISPLAY	Drug Transaction History
PSA DRUG ENTER/EDIT	Enter/Edit a Drug
PSA DRUG HISTORY	Drug Receipt History Review
PSA DRUG INQUIRE	Inquire/Compare DRUG file/ITEM MASTER file
PSA DRUGS NOT IN INVENTORY	Drugs Not Found in Linked Inventory
PSA EDIT VERIFIED INVOICE	Edit Verified Invoices
PSA FSN AUTO LOOP	Automated DRUG/ITEM MASTER file Link by FSN
PSA FSN CONTROL LOOP	Controlled Connection by FSN Match
PSA FSN MENU	FSN Menu
PSA FSN REPORT	Report Potential FSN Matches
PSA GIP COMPARE	Physical Inventory Balance Review
PSA GIP CONT BAL UPDATE	Update Prices
PSA GIP DISCREPANCIES	Compare Prices (DA/GIP)
PSA GIP INTERFACE MENU	GIP Interface Menu
PSA GIP LINK REPORT	Report of Inventory Items' Link to DRUG file

PSA GIP LOCATION MENU   Pharmacy Location Maintenance Menu
PSA GIP MAINTENANCE RPT MENU   Maintenance Reports Menu
PSA GIP MENU   Inventory Interface
PSA GIP POPULATE   Populate Pharmacy Location with
                                    Inventory Items

PSA GIP REPORT   Loadable Inventory Items Report
PSA INVOICE COST SUMMARY   Invoice Cost Summary
PSA INVOICE REVIEW   Invoice Review
PSA IV ALL DRUGS   IV Dispensing (All Drugs)
PSA IV ALL LOCATIONS   All Location Dispense/Purge
PSA IV SINGLE   IV Dispensing (Single Drug)
PSA LOCATION EDIT   Set Up/Edit a Pharmacy Location
PSA MONTHLY SUMMARY   Monthly Summary
PSA MSG RECIPIENTS   Setup Mail Message Recipients
PSA NDC AUTO LOOP   Automated DRUG/ITEM MASTER file
PSA NDC CONTROL LOOP   Controlled Connection by NDC Match
PSA NDC DUPLICATE REPORT   NDC Duplicates Report (ITEM MASTER file)
PSA NDC MENU   NDC Menu
PSA NDC REPORT   Report Potential NDC Matches
PSA OP ALL DRUGS   Outpatient Dispensing (All Drugs)
PSA OP SINGLE   Outpatient Dispensing (Single Drug)
PSA ORDERS ALERT   Prime Vendor Processing/Verifying Alerts
                                    at Signon
PSA ORDERS MENU   Orders Menu
                                  Locked by the PSA ORDERS key.
PSA OUTSTANDING CREDITS   Outstanding Credits
PSA POSTED DRUG REPORT   Posted Drug Procurement History
PSA PRIME VENDOR INTERFACE   Prime Vendor Interface Menu
PSA PRINT ORDERS   Print Orders
                                  Locked by the PSA ORDERS key.
PSA PROCESS PRIME VENDOR DATA Process Uploaded Prime Vendor Invoice
                                  Data
                                  Locked by the PSA ORDERS key.
PSA PROCESSOR AND VERIFIER   Processor and Verifier
                                  Locked by the PSA ORDERS key.
PSA PURCHASE ORDER REVIEW   Purchase Order Review
PSA PV DRUG ENTER/EDIT   Enter/Edit a Drug
PSA PV LOCATION MENU   Pharmacy Location Maintenance Menu
PSA PV MAINTENANCE RPT MENU   Maintenance Reports Menu
PSA RECEIPTS MENU   Receipts Menu
PSA RECEIVING   Receiving Directly into Drug
                                  Accountability
PSA SINGLE DRUG MATCH   Single Drug Match
PSA STOCK & REORDER LEVEL RPT Stock and Reorder Level
PSA STOCK AND REORDER LEVELS Enter/Edit Stock and Reorder Levels

PSA TRANSFER DRUGS   Transfer Drugs Between Pharmacies
                                    Locked by the PSAMGR key.
PSA TRANSFER SIGNATURE SHEET Transfer Signature Sheet
PSA UNLINKED LOOP   Connect Unlinked DRUG/ITEM MASTER
                                    file Entries
PSA UNLINKED REPORT   Report of Unlinked DRUG/ITEM
                              MASTER file Entries
PSA UNPOST PROCUREMENT   Unposted Procurement History
      HISTORY
PSA UPLOAD PRIME VENDOR DATA Upload and Process Prime Vendor Invoice
                                    Data
                                    Locked by the PSA ORDERS key.
PSA VERIFY INVOICES   Verify Invoices
                                    Locked by the PSA ORDERS key.

Software Product Security

Legal Requirements

This package does not impose any additional legal requirements on the user, nor does it relieve the user of any legal requirements.

Sign-On Event

Prime Vendor Processing/Verifying Alerts at Signon option [PSA ORDERS ALERT]

The *Prime Vendor Processing/Verifying Alerts at Signon* [PSA ORDERS ALERT] option checks to see if there are any invoices that need to be processed or verified by a user that holds the PSA ORDERS key. If so, a message is displayed when the user signs on the system stating the number of invoices the user needs to process and/or verify.

Electronic Signatures

Electronic signatures may be established in two ways. The Information Resource Management (IRM) service can enter a code for the user. Alternately, Kernel provides an option, *Electronic Signature code Edit* [XUSESIG], for the user to accomplish this task. In Kernel V. 8, the *Electronic Signature code Edit* [XUSESIG]option has been tied to the *Common Options*, under the *User's Toolbox* [XUSERTOOLS] submenu, for easy access by all users.

Security Keys used in DA

The security keys listed below control the access necessary to operate the DA software.

GIP Interface

The following keys should be assigned to the Chief of Pharmacy or a designee.

PSAMGR   This security key locks the *Balance Adjustments* [PSA BALANCE ADJUSTMENTS], *Credit Resolution* [PSA CREDIT RESOLUTION], and *Transfer Drugs Between Pharmacies* [PSA TRANSFER DRUGS] options.

Prime Vendor Interface

The following keys should be assigned to the Chief of Pharmacy or a designee.

PSAMGR   This security key locks the *Balance Adjustments* [PSA BALANCE ADJUSTMENTS], *Credit Resolution* [PSA CREDIT RESOLUTION], and *Transfer Drugs Between Pharmacies* [PSA TRANSFER DRUGS] options.

PSA ORDERS   This security key locks the *Orders Menu* [PSA ORDERS MENU].

This key should be assigned to the Pharmacy purchasing agent.

PSA ORDERS   This security key locks the *Orders Menu* [PSA ORDERS MENU].

File Security

This package requires 24 files in addition to those of the Kernel and other files to which it points, for example, the PATIENT file (#2). Information about all files, including these can be obtained by using the VA FileMan to generate a list of file attributes.

File Numbers	File Names	DD	RD	WR	DEL	LAYGO
58.8	DRUG ACCOUNTABILITY STATS	@	@	@	@	@
58.81	DRUG ACCOUNTABILITY TRANSACTION FILE	@	@	@	@	@
58.811	DRUG ACCOUNTABILITY	@	@	@	@	@
58.812	DA UPLOAD	@	@	@	@	@
58.84	DRUG ACCOUNTABILITY TRANSACTION TYPE FILE	@	@	@	@	@
50	DRUG	@				

MAIL GROUPS

Drug Accountability uses two mail groups for transferring information to the user.

PSA NDC UPDATES

This mail group is accessed to determine who should be notified by the Drug Accountability software when an items price or NDC has changed.

PSA REORDER LEVEL

This mail group contains the personnel who are to receive the message generated for the drugs whose stock level has fallen below the reorder level. Previously, anyone holding the PSA ORDERS key would receive this message.

<<Page intentionally left blank>>